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TO: Assistant Commissioner of Patents  
FAX NO.: 703-872-9314  
FROM: Joseph Pagnotta, Patent Agent  
DATE: December 12, 2002  
MATTER: Serial No. 09/332,264 Filed: 6/11/99  
DOCKET NO.: WOOD27/56115  
APPLICANT: Wood

The following has been received in the U.S. Patent and Trademark Office on the date of this facsimile:

☐ Petition  
☐ Disclosure Statement & PTO-1449  
☐ Priority Document  
☐ Drawings (     sheets) informal  
☒ Response and Appendix

☒ Transmittal Letter  
☒ Fee Transmittal (2 copies)  
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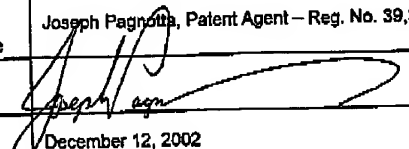
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|  |                        |              |
|--|------------------------|--------------|
| <b>TRANSMITTAL<br/>FORM</b><br><i>(to be used for all correspondence after initial filing)</i> | Application Number     | 09/332,264   |
|  | Filing Date            | 6/11/99      |
|  | First Named Inventor   | Wood         |
|  | Group Art Unit         | 2663         |
|  | Examiner Name          | S.K. Li      |
| Total Number of Pages in This Submission   | Attorney Docket Number | WOOD27/56115 |

|   |  |  |
|---|--|--|
| <b>ENCLOSURES (check all that apply)</b>  |  |  |
| <input checked="" type="checkbox"/> Fee Transmittal Form (2)<br><br><input type="checkbox"/> Fee Attached<br><br><input checked="" type="checkbox"/> Amendment / Response with Appendix<br><br><input type="checkbox"/> After Final<br><br><input type="checkbox"/> Affidavits/declaration(s)<br><br><input checked="" type="checkbox"/> Extension of Time Request<br><br><input type="checkbox"/> Express Abandonment Request<br><br><input type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Response to Missing Parts/Incomplete Application<br><br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application)<br><br><input type="checkbox"/> Drawing(s)<br><br><input type="checkbox"/> Licensing-related Papers<br><br><input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition<br><br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><br><input type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Request for Refund<br><br><input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group<br><br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><br><input type="checkbox"/> Proprietary Information<br><br><input type="checkbox"/> Status Letter<br><br><input type="checkbox"/> Other Enclosure(s) (please identify below): |
| Remarks   |  | Please extend the time for filing this Response by one month.  |
| <b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>   |  |  |
| Firm or Individual name   | Joseph Pagnotta, Patent Agent - Reg. No. 39,322  |  |
| Signature   |   |  |
| Date  | December 12, 2002  |  |

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

Complete if Known

Application Number 09/332,284  
Filing Date 6/11/99  
First Named Inventor Wood  
Examiner Name S.K. Li  
Group / Art Unit 2663  
Attorney Docket No. WOOD27/56115

TOTAL AMOUNT OF PAYMENT (\$) 110

| METHOD OF PAYMENT (check one)   |                       | FEE CALCULATION (continued)   |                       |  |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
|---|-----------------------|---|-----------------------|--|-----------------------|-----------------------|-----------------|-----------------------|-----------------------|------------------------|----------|-----|-------------------------------------|-----|-----|-----------------------------------|-----|-----|--|-----|-----|--|-----|-----|---------------------------|-----|-----|--|-----|-------|--|-----|-----|--|-----|--------------|--|-----|-----|------------------------|--|--------------|---|--|-----|--------|-----|----|--|-----|-----|-----|-----|-----|---|--|-----|-----|-----|-----|--|--|-----|-------|-----|-----|---|--|-----|-------|-----|-----|--|--|-----|-----|-----|-----|------------------|--|-----|-----|-----|-----|--|--|-----|-----|-----|-----|--------------------------|--|-----|-------|-----|-------|---|--|-----|-----|-----|----|----------------------------------|--|-----|-------|-----|-----|------------------------------------|--|-----|-------|-----|-----|--------------------------------|--|-----|-----|-----|-----|------------------|--|-----|-----|-----|-----|-----------------|--|-----|-----|-----|-----|-------------------------------|--|-----|----|-----|----|--------------------------------------|--|-----|-----|-----|-----|--|--|-----|----|-----|----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|---|--|---------------------|--|--|--|--|--|-----------------------------------|--|--|--|--------------|-------|
| <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number 20-0782</p> <p>Deposit Account Name Moser, Patterson &amp; Sheridan, LLP</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>   |                       | <p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>127</td> <td>60</td> <td>227</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>112</td> <td>920*</td> <td>112</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>113</td> <td>1,840*</td> <td>113</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for reply within first month</td> <td>110</td> </tr> <tr> <td>116</td> <td>400</td> <td>218</td> <td>200</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>117</td> <td>920</td> <td>217</td> <td>480</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>118</td> <td>1,440</td> <td>218</td> <td>720</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>128</td> <td>1,950</td> <td>228</td> <td>980</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>119</td> <td>320</td> <td>219</td> <td>180</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>120</td> <td>320</td> <td>220</td> <td>160</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>121</td> <td>280</td> <td>221</td> <td>140</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>65</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>141</td> <td>1,280</td> <td>241</td> <td>640</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>142</td> <td>1,280</td> <td>242</td> <td>640</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>143</td> <td>480</td> <td>243</td> <td>230</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>144</td> <td>620</td> <td>244</td> <td>310</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> <td>Processing fee under 37 CFR 1.17 (q)</td> <td></td> </tr> <tr> <td>125</td> <td>180</td> <td>125</td> <td>180</td> <td>Submission of information Disclosure Sheet</td> <td></td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>146</td> <td>740</td> <td>248</td> <td>370</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td></td> </tr> <tr> <td>149</td> <td>740</td> <td>249</td> <td>370</td> <td>For each additional invention to be examined (37 CFR § 1.129(b))</td> <td></td> </tr> <tr> <td>179</td> <td>740</td> <td>279</td> <td>370</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>169</td> <td>900</td> <td>169</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> <tr> <td colspan="5">Other fee (specify)</td> <td></td> </tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td>SUBTOTAL (3)</td> <td>\$110</td> </tr> </tbody> </table> |                       | Fee Code   | Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description | Fee Paid              | 105                   | 130                    | 205      | 65  | Surcharge - late filing fee or oath |     | 127 | 60                                | 227 | 25  | Surcharge - late provisional filing fee or cover sheet |     | 139 | 130                                    | 139 | 130 | Non-English specification |     | 147 | 2,520  | 147 | 2,520 | For filing a request for reexamination |     | 112 | 920*   | 112 | 920*         | Requesting publication of SIR prior to Examiner action |     | 113 | 1,840*                 | 113  | 1,840*       | Requesting publication of SIR after Examiner action |  | 115 | 110    | 215 | 55 | Extension for reply within first month | 110 | 116 | 400 | 218 | 200 | Extension for reply within second month |  | 117 | 920 | 217 | 480 | Extension for reply within third month |  | 118 | 1,440 | 218 | 720 | Extension for reply within fourth month |  | 128 | 1,950 | 228 | 980 | Extension for reply within fifth month |  | 119 | 320 | 219 | 180 | Notice of Appeal |  | 120 | 320 | 220 | 160 | Filing a brief in support of an appeal |  | 121 | 280 | 221 | 140 | Request for oral hearing |  | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding |  | 140 | 110 | 240 | 65 | Petition to revive - unavoidable |  | 141 | 1,280 | 241 | 640 | Petition to revive - unintentional |  | 142 | 1,280 | 242 | 640 | Utility issue fee (or reissue) |  | 143 | 480 | 243 | 230 | Design issue fee |  | 144 | 620 | 244 | 310 | Plant issue fee |  | 122 | 130 | 122 | 130 | Petitions to the Commissioner |  | 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17 (q) |  | 125 | 180 | 125 | 180 | Submission of information Disclosure Sheet |  | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) |  | 146 | 740 | 248 | 370 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 149 | 740 | 249 | 370 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 179 | 740 | 279 | 370 | Request for Continued Examination (RCE) |  | 169 | 900 | 169 | 900 | Request for expedited examination of a design application |  | Other fee (specify) |  |  |  |  |  | *Reduced by Basic Filing Fee Paid |  |  |  | SUBTOTAL (3) | \$110 |
| Fee Code  | Large Entity Fee (\$) | Small Entity Fee (\$)   | Fee Description       | Fee Paid   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 105   | 130                   | 205   | 65                    | Surcharge - late filing fee or oath  |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 127   | 60                    | 227   | 25                    | Surcharge - late provisional filing fee or cover sheet                     |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 139   | 130                   | 139   | 130                   | Non-English specification  |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 147   | 2,520                 | 147   | 2,520                 | For filing a request for reexamination                                     |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 112   | 920*                  | 112   | 920*                  | Requesting publication of SIR prior to Examiner action                     |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 113   | 1,840*                | 113   | 1,840*                | Requesting publication of SIR after Examiner action                        |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 115   | 110                   | 215   | 55                    | Extension for reply within first month                                     | 110                   |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 116   | 400                   | 218   | 200                   | Extension for reply within second month                                    |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 117   | 920                   | 217   | 480                   | Extension for reply within third month                                     |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 118   | 1,440                 | 218   | 720                   | Extension for reply within fourth month                                    |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 128   | 1,950                 | 228   | 980                   | Extension for reply within fifth month                                     |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 119   | 320                   | 219   | 180                   | Notice of Appeal   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 120   | 320                   | 220   | 160                   | Filing a brief in support of an appeal                                     |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 121   | 280                   | 221   | 140                   | Request for oral hearing   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 138   | 1,510                 | 138   | 1,510                 | Petition to institute a public use proceeding                              |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 140   | 110                   | 240   | 65                    | Petition to revive - unavoidable   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 141   | 1,280                 | 241   | 640                   | Petition to revive - unintentional   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 142   | 1,280                 | 242   | 640                   | Utility issue fee (or reissue)   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 143   | 480                   | 243   | 230                   | Design issue fee   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 144   | 620                   | 244   | 310                   | Plant issue fee  |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 122   | 130                   | 122   | 130                   | Petitions to the Commissioner  |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 123   | 50                    | 123   | 50                    | Processing fee under 37 CFR 1.17 (q)                                       |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 125   | 180                   | 125   | 180                   | Submission of information Disclosure Sheet                                 |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 581   | 40                    | 581   | 40                    | Recording each patent assignment per property (times number of properties) |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 146   | 740                   | 248   | 370                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 149   | 740                   | 249   | 370                   | For each additional invention to be examined (37 CFR § 1.129(b))           |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 179   | 740                   | 279   | 370                   | Request for Continued Examination (RCE)                                    |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 169   | 900                   | 169   | 900                   | Request for expedited examination of a design application                  |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| Other fee (specify)   |                       |   |                       |  |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| *Reduced by Basic Filing Fee Paid   |                       |   |                       | SUBTOTAL (3)   | \$110                 |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| <p>2. <input type="checkbox"/> Payment Enclosed:</p> <p><input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>   |                       | <p>FEE CALCULATION</p> <table border="1"> <thead> <tr> <th colspan="2">1. BASIC FILING FEE</th> <th colspan="2">2. EXTRA CLAIM FEES</th> </tr> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>740</td> <td>201</td> <td>370</td> <td>Utility filing fee</td> <td></td> </tr> <tr> <td>106</td> <td>330</td> <td>206</td> <td>165</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>107</td> <td>510</td> <td>207</td> <td>235</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td> <td>740</td> <td>208</td> <td>370</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>114</td> <td>160</td> <td>214</td> <td>80</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="4">SUBTOTAL (1)</td> <td>(\$) 0</td> </tr> </tbody> </table>   |                       | 1. BASIC FILING FEE  |                       | 2. EXTRA CLAIM FEES   |                 | Large Entity Fee Code | Small Entity Fee Code | Fee Description        | Fee Paid | 101 | 740                                 | 201 | 370 | Utility filing fee                |     | 106 | 330  | 206 | 165 | Design filing fee                      |     | 107 | 510                       | 207 | 235 | Plant filing fee                                   |     | 108   | 740                                    | 208 | 370 | Reissue filing fee   |     | 114          | 160  | 214 | 80  | Provisional filing fee |  | SUBTOTAL (1) |   |  |     | (\$) 0 |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 1. BASIC FILING FEE   |                       | 2. EXTRA CLAIM FEES   |                       |  |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| Large Entity Fee Code   | Small Entity Fee Code | Fee Description   | Fee Paid              |  |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 101   | 740                   | 201   | 370                   | Utility filing fee   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 106   | 330                   | 206   | 165                   | Design filing fee  |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 107   | 510                   | 207   | 235                   | Plant filing fee   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 108   | 740                   | 208   | 370                   | Reissue filing fee   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 114   | 160                   | 214   | 80                    | Provisional filing fee   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| SUBTOTAL (1)  |                       |   |                       | (\$) 0   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| <p>2. EXTRA CLAIM FEES</p> <p>Total Claims 20 ** = 0 X Fee from below = 0</p> <p>Independent Claims 3 ** = 0 X Fee Paid = 0</p> <p>Multiple Dependent X Fee Paid = 0</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>18</td> <td>203</td> <td>9</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>102</td> <td>84</td> <td>202</td> <td>42</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>104</td> <td>280</td> <td>204</td> <td>140</td> <td>Multiple dependent claims, if not paid</td> <td></td> </tr> <tr> <td>109</td> <td>84</td> <td>209</td> <td>42</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>110</td> <td>18</td> <td>210</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="4">SUBTOTAL (2)</td> <td>(\$) 0</td> </tr> </tbody> </table> |                       | Large Entity Fee Code   | Small Entity Fee Code | Fee Description  | Fee Paid              | 103                   | 18              | 203                   | 9                     | Claims in excess of 20 |          | 102 | 84                                  | 202 | 42  | Independent claims in excess of 3 |     | 104 | 280  | 204 | 140 | Multiple dependent claims, if not paid |     | 109 | 84                        | 209 | 42  | ** Reissue independent claims over original patent |     | 110   | 18                                     | 210 | 9   | ** Reissue claims in excess of 20 and over original patent |     | SUBTOTAL (2) |  |     |     | (\$) 0                 | <p>** or number previously paid, if greater; For Reissues, see above</p> |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| Large Entity Fee Code   | Small Entity Fee Code | Fee Description   | Fee Paid              |  |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 103   | 18                    | 203   | 9                     | Claims in excess of 20   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 102   | 84                    | 202   | 42                    | Independent claims in excess of 3  |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 104   | 280                   | 204   | 140                   | Multiple dependent claims, if not paid                                     |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 109   | 84                    | 209   | 42                    | ** Reissue independent claims over original patent                         |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| 110   | 18                    | 210   | 9                     | ** Reissue claims in excess of 20 and over original patent                 |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |
| SUBTOTAL (2)  |                       |   |                       | (\$) 0   |                       |                       |                 |                       |                       |                        |          |     |                                     |     |     |                                   |     |     |  |     |     |  |     |     |                           |     |     |  |     |       |  |     |     |  |     |              |  |     |     |                        |  |              |   |  |     |        |     |    |  |     |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                      |  |     |     |     |     |  |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |              |       |

| SUBMITTED BY      |                 | Complete (if applicable)        |                   |
|-------------------|-----------------|---------------------------------|-------------------|
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| Signature         |                 | Telephone                       | (732) 530-9404    |
|                   |                 | Date                            | December 12, 2002 |

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IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

## PATENT APPLICATION

Official

12-12-02  
12-18-02  
7L

Applicant: Thomas Huntington Wood Case: WOOD27/56115  
Serial No.: 09/332,264 Filed: June 11, 1999  
Examiner: LI, Shi K. Group Art Unit: 2633  
Confirmation No.: 2709

Title: SYSTEM FOR OPERATING AN ETHERNET DATA NETWORK  
OVER A PASSIVE OPTICAL NETWORK ACCESS SYSTEM

COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

SIR:

**RESPONSE UNDER 37 C.F.R. §1.111**

In response to the Office Action dated August 12, 2002 (Paper No. 5),  
please amend the above-identified patent application as follows:

**IN THE CLAIMS**

Please amend claims 1 and 7 as follows:

1. A data communications system comprising:
- an outside plant, the outside plant including a distribution fiber, a splitter and a plurality of drop fibers;
  - a head-end, the head-end further comprising an Ethernet adapter circuit and being coupled to the splitter via the distribution fiber;
  - a first network unit, the first network unit being coupled to the splitter via a first of the plurality of drop fibers, wherein the first network unit receives a

12/18/2002 SMOORE 00000006 200782 09332264